sensing an image with an image sensor having an array of pixels, where each pixel generates data relating to one of a plurality of colors;

simultaneously storing the data generated by the individual pixels of the image sensor and information which describes the colors that are respectively associated with the individual pixels in said array at a first site;

transmitting the stored data and the stored information from said first site to a second site;

interpolating said data at said second site in accordance with said stored information to generate complete color data for the individual pixels; and

reproducing the image in accordance with the complete color data.

14.   (Amended) A method for recording and displaying an image, comprising the steps of:

sensing an image with an image sensor having an array of pixels, where each pixel generates data relating to one of a plurality of different components of an image;

simultaneously storing the data generated by the individual pixels of the image sensor and information which describes the arrangement of the individual pixels in said array, relative to said different components, at a first site;

transmitting the stored data and the stored information from said first site to a second site;

interpolating said data at said second site in accordance with said stored information to generate complete image data for each of the individual pixels; and

reproducing the image in accordance with the complete image data.

17. (New) A digital camera as claimed in claim 1, wherein said data processor controls said digital camera.

18. (New) A digital camera as claimed in claim 1, wherein said recording device simultaneously records said digital image data and said data regarding alignment of the colors filter.

19. (New) A digital camera as claimed in claim 10, wherein said data processor controls said digital camera.

20. (New) A digital camera as claimed in claim 10, wherein said recording device simultaneously records said digital image data and said data regarding alignment of the colors filter.